

(PCT Article 36 and Rule 70)

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| Date of submission of the demand | Date of completion of this report |
| Name and mailing address of the IPEA/JP | Authorized officer |
| Facsimile No. | Telephone No. |

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/002344

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-7 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1-2 _____ received by this Authority on 06.09.2005
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets Fig. 1 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/002344

| Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | |
|-----------|--|-------------------|-----|
| 1. | Statement | | |
| | Novelty (N) | Claims <u>1-2</u> | YES |
| | | Claims _____ | NO |
| | Inventive step (IS) | Claims <u>1-2</u> | YES |
| | | Claims _____ | NO |
| | Industrial applicability (IA) | Claims <u>1-2</u> | YES |
| | | Claims _____ | NO |
| 2. | Citations and explanations (Rule 70.7) | | |
| | (1) Novelty and Inventive Step | | |
| | <p>The inventions set forth in claims 1 and 2 are novel and involve an inventive step in relation to the documents cited in the international search report.</p> <p>None of the documents cited in the international search report indicates that electrification liquid droplets of water or a water/ethanol mixture solution are used as primary ions to ionize a biological sample. On the other hand, this feature offers the invention of this application the advantageous effect that problems, such as pollution of ion sources which may occur when using glycerin, and a deterioration in the S/N ratio which occurs when Ar⁺ and Xe⁺ are used, are avoided.</p> | | |
| | (2) Industrial Applicability | | |
| | <p>The inventions set forth in claims 1 and 2 are clearly industrially applicable.</p> | | |